Volume 200

A

Abecassis M, 472
Abnousi F, 912
Aboulafia AJ, 115, 457
Abouljoud MS, 470
Abrahamse P, 861
Adams RB, 29
Agarwal VK, 636
Akiyama H, 15
Alejandro R, 353
Alexander GC, 854
Ali AT, 831
Allgöwer M, 814
Alsina J, 362
Alvord LA, 837
Amador LF, 767
Ames FC, 516
Amisano M, 224
Amortegui JD, 869
An HS, 236
Ananian P, 57
Anderson KD, 684
Arroyo A, 897
Avitable M, 481
Azizzadeh A, 946

B

Babiera GV, 516
Bahl V, 861
Balandraud P, 57
Baldus SE, 336
Balkrishnan R, 353
Ball CG, 64
Barber KR, 179
Barbick B, 306
Barker F, 457
Barnett CC Jr, 371
Barshes NR, 353
Bartlett RH, 249
Bass DC, 505
Basu A, 505
Beck AW, 371
Bell CL, 831
Bellanger D, 198
Berberat P, 418
Berke-Schlessel DW, 428
Bernstein SJ, 216
Bhattacharya N, 557
Bice TG, 38
Biffl WL, 922
Binda B, 983
Birdwell RL, 527
Blumgart LH, 345
Bodner J, 631
Boelens OBA, 885
Borgen PI, 10
Bouzari H, 224
Brabender J, 336
Brachini G, 314, 983
Brawley JG, 831
Brekken RA, 371
Bretagnol F, 203
Broderick TJ, 64
Brooks DE, 38
Brown JA, 932
Browne JP, 186
Brundage SI, 946
Brunicardi FC, 353
Büchler MW, 418
Buchman TG, 148
Buchwald D, 837
Buchwald H, 593
Buell JF, 472
Burch JM, 148
Burke JF, 152, 815
Burris DG, 316
Bush RL, 807

C

Caban ME, 774
Cadi M, 711
Cady B, 115, 281, 457
Cahill MR, 564
Cahill RA, 564
Calland JF, 29
Calpena R, 897
Camatre S, 45
Campbell MR, 64
Candela F, 897
Capussotti L, 224
Carlos RC, 216
Carson J, 720
Casillas J, 869
Castaigne D, 45
Cendales LC, 552
Chai H, 820
Chemelli A, 631
Chen C, 820
Chen J-S, 574
Chen L-W, 574
Chen P, 336
Chessin DB, 876, 883
Chew RT, 954
Chia SH, 691
Chmielewski E, 727
Christos PJ, 720
Ciesla DJ, 148
Cioffi WG, 922
Clagett GP, 831
Clark GW, 482
Clark OH, 890
Clarke JR, 229
Clavien P-A, 976
Cobb JP, 605
Cody HS III, 10
Coffey DC, 179
Cohen AM, 876, 883
Cohen MS, 345
Cohn SM, 869
Collazo L, 812
Collins SR, 29
Cone JB, 607
Constantino J, 323
Conti P, 224
Coomer M, 186
Cooper A, 584
Cordova AC, 428
Coster DD, 146
Cothren CC, 148, 306
Cotton MH, 983
Crowe BH, 564
Curet M, 546

D

D'Addio VJ, 831
D'Angelica M, 345
Daly J, 720
Danenberg KD, 336
Danenberg PV, 336
Daniel BL, 527
Dardik A, 734
Daskalakis C, 705
de Calan L, 203
Deffieux X, 45
DeMatteo RP, 345
Demetris AJ, 505
Dev P, 546
Dhar DK, 20
Diaz JJ, 160
Diehl KM, 249
Dirbas FM, 527
Dittus RS, 160
Dolgin SE, 304
Doyle SM, 973
Dudrick SJ, 734
Dulucq J-L, 191
Duvillard P, 45

E

Easson A, 115, 457
Eberlein TJ, 3
Edwards RE, 734
Ehrlich PF, 166
Ellis H, 643
Elster EA, 552
Emberton M, 186
Englesbe MJ, 249
Enker W, 876, 883
Estabrook A, 323

F

Fan ST, 308
Farrell LS, 584
Feig BW, 516
Fendrick AM, 216
Ferguson CM, 637
Fernandez FG, 845
Ferson PF, 115, 457
Fey JV, 10
Fildes J, 49
Finley RJ, 77
Fisher B, 484
Fitzgerald HE, 179
Fleming JB, 371
Flum DR, 270
Fong Y, 345
Forrest CR, 399
Frattini JC, 734
Fry DE, 128, 291
Fullerton DA, 743
Fung JJ, 505
Fung TMK, 136
Furukawa H, 468

G

Gabriel EM, 362
Gattuso P, 328
Germino FJ, 362
Gibbs J, 677
Gibelin H, 203
Gibran NS, 208
Giobbie-Hurder A, 677
Giordano SH, 516
Girard L, 371
Girnita A, 505
Gleysteen JJ, 677
Goldberg JH, 837
Gonen M, 345
Goodpastor SE, 353
Goodwin JS, 767
Goodwin JW, 845
Gorski DH, 362
Goss JA, 353
Goydos JS, 362
Graling P, 812
Gray E, 505
Grecula MJ, 774
Greenspan FS, 890
Grogan EL, 160, 635
Groshen S, 336
Grossman MD, 634
Grunwaldt LJ, 616
Grunwell J, 890
Guarner V, 146
Guerlain S, 29
Guillem JG, 876, 883
Guo H, 29
Guth AA, 440

H

Habib FA, 869
Hale DA, 552
Hallal AH, 869
Hamilton DR, 64
Hamy A, 203
Hannan EL, 481, 584
Hannoun L, 711
Hardwigsen J, 57
Harken AH, 173
Harrell A, 634
Harrington DT, 922
Hashmi S, 88
Hausmann M, 198
Hawkins WG, 345, 845
Hayashi A, 912
Heinrichs WL, 546
Henderson JM, 727
Henderson WG, 837
Heniford BT, 634
Henry MC, 481, 584
Hetrick V, 812
Hillel AD, 813
Hilvano SS, 393
Hiotis K, 440
Hirvela ER, 173
Hoda S, 720
Hoelscher AH, 336
Hoey BA, 634
Hoff WS, 634
Holcomb JB, 64
Holloway SE, 371
Homicz MR, 691
Honein K, 974
Horvath KD, 538
Hsu C-M, 574
Hunt KK, 516
Hunter JG, 147
Hur K, 837
Huscher CGS, 314, 983
Hwang Y-C, 574

I

Ikeda DM, 527
Ikossi DG, 49
Itani KMF, 677

J

Jaber MR, 371
Jackson LSM, 428
Jarnagin WR, 345
Jeffrey SS, 527
Jensen CC, 270
Jerius J, 470
Jeroukhimov IM, 869
Jin MB, 468
Johnson JL, 148
Jones DB, 616
Jones JA, 64
Jordan PH Jr, 1

K

Kaafarani HMA, 677
Kader HA, 912
Kafka R, 631
Kahn A, 505
Kalter R, 255
Kao LS, 684
Kashfi A, 418
Kaufman JA, 808
Kebebew E, 890
Kercher KW, 634
Khanna N, 236
Khuri SF, 837
Kiernan PD, 812
Kim DY, 470
Kim HJ, 362
Kinukawa N, 20
Kirk AD, 552
Kirkpatrick AW, 64
Kistner RL, 646
Kitajima K, 711
Kleiner D, 552
Klimberg VS, 725
Knudson MM, 49
Koffron AJ, 472
Kohno H, 20
Komori Y, 140
Koniaris LG, 812
Kotlowski R, 179
Kozar RA, 946
Kragh JF Jr, 38
Kraimps J-L, 203
Kraus TW, 418
Kubota H, 20
Kuerer HM, 516
Kunisaki C, 15
Kuypers FA, 173

L

Lam Y-h, 136
Lang PO, 854
Laosebikan AO, 795
Larkin SK, 173
Lau JYW, 136
Lazar AA, 49
Lazzaro DR, 96
Le MN, 304
Le Néel J-C, 203
Le Treut YP, 57
LeBlanc KA, 198
LeDonne J, 810
Lee B-B, 638
Lee J, 912
Lee TC, 353
Levin H, 720
Lin P, 820
Lin PL, 807
Linehan DC, 845
Lober WB, 538
Lopez PP, 869
Lucci A, 946
Lucidarme O, 711
Lumsden AB, 807, 820

M

Madan M, 138
Mahajna A, 191
Majercik SD, 922
Mann B, 362
Manning BJ, 564
Manning RJ, 869
Mannon RB, 552
Marcos A, 505
Marema RT, 979
Martins D, 720
Maruyama R, 20
Master VA, 973
Masuda K, 691
Masui T, 140
Mathonnet M, 203
Matsuda G, 15
Maxhimer JB, 328
McAninch JW, 973
McBeth PB, 64
McCarthy M Jr, 677
McClellan WT, 166
McCormack L, 976
McGreal GT, 564
McMasters KM, 937
McSwain NE, 64
McSwain NE Jr, 487
Mehrabi A, 418
Menes TS, 323
Meric-Bernstam F, 516
Metes D, 505
Miller CC, 946
Miner T, 281, 457
Mingoli A, 314, 983
Minsky BD, 876
Mirallié E, 203
Mirza NQ, 516
Mizrachi H, 323
Modrall JG, 831
Montanez M, 179
Moore DE, 160
Moore EE, 148, 306
Moore JB, 148
Morabito D, 49
Moreno JD, 103
Morgentaler A, 281, 457
Morice P, 45
Morotti RA, 304
Morris JA Jr, 160
Morris PJ, 186
Mote A, 353
Muangman P, 208
Mulholland MW, 861
Mundy AR, 186
Murase N, 505
Muratore A, 224
Murray JE, 5

N

Nagasue N, 20
Naidoo NM, 795
Nakamura Y, 140
Napolitano LM, 755
Nauta RJ, 904
Neidlinger NA, 173
Nelson H, 882
Ness R, 505
Neumayer L, 397, 677
Nguyen NT, 621
Nienhuijs SW, 885
Nomura M, 15
Nowels KW, 527
Nuttall MC, 186

O

Ochiai M, 140
Olivotto IA, 912
Ono H, 15
Onodera Y, 468
Onuigbo WIB, 111
Osborne MP, 720
Otsuka Y, 15

P

Palazzo JP, 705
Pantelic MV, 470
Papavramidis S, 965
Papavramidis T, 965
Parikh P, 705
Parker JS, 291
Patti MG, 147
Paty PB, 876, 883
Pellegrini CA, 538
Pelletier SJ, 249
Perez AR, 393, 398
Perez F, 897
Perissat J, 191
Pesce CE, 328
Pessaux P, 983
Piro F, 314
Pollard M, 179
Ponzano C, 314
Poon RT, 308
Poulose BK, 160
Prinz RA, 328
Prough DS, 784
Punch J, 249

Q

Quebbeman EJ, 291

R

Randhawa P, 505
Rattner DW, 616
Reader AL III, 815
Redmond HP, 564

Reed DN Jr, 179
Regenet N, 203
Reilly JJ, 481
Reines HD, 930
Reitsma AM, 103
Rhee J, 812
Rhoades D, 837
Rhynes VK, 198
Rich NM, 316
Richardson JD, 179, 648
Ricordi C, 353
Rigaud J, 203
Ritter J, 845
Rizvi AZ, 808
Rockman C, 440
Rogers SO, 88
Roorda AK, 255
Rose LJ, 705
Ross I, 815
Ross MI, 516
Rossini AJ, 538
Roxas MF, 393
Rudich S, 472
Ryan DA, 564

S

Safi H, 818
Sah RL, 691
Saïsse J, 57
Sakurai Y, 140
Salem L, 270
Salonga D, 336
Saltz L, 876
Samartzis D, 236, 632
Sanchez A, 897
Sansonetti A, 314, 983
Sarpel U, 304
Satava RM, 316
Savier E, 711
Saxe A, 179
Sayegh R, 974
Schecter WP, 128, 291
Schemmer P, 418
Schneider PM, 336
Schneider S, 336
Schock AP, 353
Schraedley-Desmond P, 527
Schulak JA, 409
Schulman CI, 869
Schumacher BL, 691
Schwaitzberg SD, 616
Schwartz SI, 3, 155
Schwarze ML, 854
Seely AJE, 77
Selzner M, 976
Seneca RP, 930
Serracino-Inglott F, 138
Sgarzini G, 314, 983
Shapiro R, 505
Shen FH, 236, 632
Shih W, 362
Shimada H, 15
Shin T, 29
Shlain L, 157
Silen ML, 808
Simmons RM, 720, 726
Simon B, 584
Simon R, 584
Sing RF, 634
Singletary SE, 516
Skinner RA, 173
Sleeman D, 869
Slim R, 974
Smith P, 808
Smith SR, 323
Snow D, 138
Spain DA, 946
Specht MC, 10
Spector SA, 812
Spencer AU, 670
Speroff T, 160
Sprague S, 954
Srivastava S, 546
Starring J, 922
Starzl TE, 505
Staveley-O'Carroll KF, 812
Stewart RA, 328
Strasberg SM, 845
Strobbe LJA, 885
Sumpio BE, 428
Sundaresan RS, 77
Sung RS, 249
Svoboda SJ, 38
Swanson SJ, 552
Symmans WF, 516
Syoji M, 140

T

Taboury J, 711
Tachibana M, 20
Tamura RN, 208
Tan H, 505
Tartter PI, 323
Teitelbaum DH, 670
Teso D, 734
Thoma A, 954
Thomas MJ, 472
Thome C, 974
Thompson JC, 766
Thomson SR, 795
Thonar EJ, 691
Thoury A, 45
Todo S, 468
Tonomura S, 140
Trocciola SM, 720, 726
Truong PT, 912
Tsao-Wei D, 336
Turrentine FB, 29

U

Uchida K, 336
Underwood W III, 216
Uyama I, 140

V

Vaillant J-C, 711
Valentine RJ, 831
van der Meulen JHP, 186
Van Eaton EG, 538
Vaughan B, 812
Vogt DP, 727

W

Wahl WL, 249
Wallace AM, 527
Walters TJ, 38
Wang J-S, 574
Warner BW, 605
Watson D, 691
Weigel RJ, 705
Weiser MR, 876, 883
Wenke JC, 38
Wesson DE, 166
Wilson EB, 684
Wilson SE, 621
Wintringer P, 191
Wise GJ, 255
Woeber KA, 890
Wolf B, 179
Wolfe BM, 621
Wong J, 308
Wong W-s, 136
Wong WD, 876, 883
Woodle ES, 472
Wren SM, 546

X

Xu X, 328

Y

Yaghi C, 974
Yan S, 820
Yao Q, 820
Yen TWF, 516
Yildirim E, 378
Yochim J, 336
Yong CM, 912
Yoshida A, 470
Yoshida I, 140
Yoshimura H, 20
Youngblood PL, 546

Z

Zeevi A, 505
Zelger B, 631
Zhou W, 807
Zimmerman MA, 306

Volume 200

A

ABDOMINAL AORTIC ANEURYSM
- A Rapidly Expanding Mycotic Abdominal Aortic Aneurysm (Image); 138
- Endoaneurysmorrhaphy (Centennial Perspectives); 818
- Influence of Gender on Surgical Outcomes: Does Gender Really Matter? (Collective Review); 440

ACADEMIC MEDICAL CENTER
- Challenges and a New Vision for Academic Surgery; 605
- Linear Programming to Optimize Performance in a Department of Surgery; 861
- Perceptions and Predictors of Surgeon Satisfaction: A Survey of Spouses of Academic Surgeons; 684

ACHALASIA
- Principles of Laparoscopic Surgery of the Gastroesophageal Junction (Collective Review); 77

ACUTE RESPIRATORY DISTRESS SYNDROME
- Current Concepts in Critical Care (Collective Review); 88
- Postinjury Serum Secretory Phospholipase A_2 Correlates with Hypoxemia and Clinical Status at 72 Hours; 173
- What's New in General Surgery: Critical Care and Trauma; 759

ADENOCARCINOMA
- Cystadenoma and Cystadenocarcinoma of the Liver: A Single Center Experience; 727
- Laparoscopic Approach for the Treatment of Type II Gastroesophageal Junction Tumors (Letter); 983

ADHESIONS
- Intraabdominal and Postoperative Peritoneal Adhesions (Centennial Perspectives); 643

AEROSPACE MEDICINE
- Extraterrestrial Hemorrhage Control: Terrestrial Developments in Technique, Technology, and Philosophy with Applicability to Traumatic Hemorrhage Control in Long-Duration Spaceflight (Collective Review); 64

ALASKA NATIVES
- Surgical Morbidity and Mortality among American Indian and Alaska Native Veterans: A Comparative Analysis; 837

ALBUMIN
- Inhibition of Nitric Oxide Synthase Reverses the Effect of Albumin on Lung Damage in Burn; 574

ALCOHOL ABUSE
- The Stages of Change Questionnaire as a Predictor of Trauma Patients Most Likely to Decrease Alcohol Use; 179

ALGINATE
- Characterization of Human Nasal Septal Chondrocytes Cultured in Alginate; 691

AMERICAN COLLEGE OF SURGEONS
- Statement on Principles Guiding Care at the End of Life; 114, 280, 456
- The Surgeon and Acts of Civilian Terrorism: Biologic Agents (ACS Policy); 291
- The Surgeon and Acts of Civilian Terrorism: Chemical Agents (ACS Policy); 128

AMERICAN INDIANS
- Surgical Morbidity and Mortality among American Indian and Alaska Native Veterans: A Comparative Analysis; 837

ANAL SPHINCTER
- Fistulotomy with Primary Sphincter Reconstruction in the Management of Complex Fistula-in-Ano: Prospective Study of Clinical and Manometric Results; 897

ANESTHESIA
- Anesthetic Pitfalls in the Elderly Patient; 784

ANEURYSM
- A Rapidly Expanding Mycotic Abdominal Aortic Aneurysm (Image); 138
- Arterial Reconstruction of Infected Femoral Artery Pseudoaneurysms Using Superficial Femoral-Popliteal Vein; 831
- Endoaneurysmorrhaphy (Centennial Perspectives); 818

ANKYLOSING SPONDYLITIS
- Cervical Spine Fracture in the Ankylosing Spondylitis Patient (Image); 632

ANTHRAX
- The Surgeon and Acts of Civilian Terrorism: Biologic Agents (ACS Policy); 291

ANTIBIOTIC PROPHYLAXIS
- A Randomized, Double-Blind, Placebo-Controlled Trial to Determine Effectiveness of Antibiotic Prophylaxis for Tension-Free Mesh Herniorrhaphy; 393 (Invited Commentary; 397) (Reply; 398)

ANTILYMPHOID ANTIBODY PREPARATIONS
- Kidney Transplantation under Minimal Immunosuppression after Pretransplant Lymphoid Depletion with Thymoglobulin or Campath; 505

ANTIOXIDANTS
- Antioxidants Inhibit Fatty Acid and Glucose-Mediated Induction of Neutral Endopeptidase Gene Expression in Human Microvascular Endothelial Cells; 208

AORTIC SURGERY
- What's New in Cardiac Surgery; 749

ARTERIOSCLEROSIS
- The Cardiovascular Protective Effect of Red Wine (Collective Review); 428

ARTERIOVENOUS MALFORMATIONS
- Solitary Arteriovenous Malformation of the Small Intestine (Image); 808
- Vascular Malformations (Letter); 638

ASPIRIN THERAPY
- Duration of Increased Bleeding Tendency after Cessation of Aspirin Therapy; 564

ATRIAL FIBRILLATION
- What's New in Cardiac Surgery; 752

AXILLARY LYMPH NODES
- Is the Clinically Positive Axilla in Breast Cancer Really a Contraindication to Sentinel Lymph Node Biopsy?; 10

B

B-RAF MUTATIONS
- Detection of *B-RAF* and *N-RAS* Mutations in Human Melanoma; 362

BACTEREMIA
- What's New in General Surgery: Critical Care and Trauma; 759

BARIATRIC SURGERY
- Are Bariatric Surgical Outcomes Worth Their Cost? A Systematic Review; 270
- Bariatric Surgery for Morbid Obesity: Health Implications for Patients, Health Professionals, and Third-Party Payers (Consensus Statement); 593
- Impact of Gastric Bypass on Survival (Letter); 482
- Laparoscopic Roux-en-Y Gastric Bypass: A Step-by-Step Approach; 979
- Rationale for Laparoscopic Gastric Bypass (Collective Review); 621

BILE DUCT
- Magnetic Resonance Cholangiopancreatography Accurately Detects Common Bile Duct Stones in Resolving Gallstone Pancreatitis; 869
- Reconstruction of the Common Bile Duct (Centennial Perspectives); 155

BIOLOGIC TERRORISM
- The Surgeon and Acts of Civilian Terrorism: Biologic Agents (ACS Policy); 291

BLADDER
- Appropriate Use of CT in the Diagnosis of Bladder Rupture (Image); 973

BLEEDING TIME
- Duration of Increased Bleeding Tendency after Cessation of Aspirin Therapy; 564

BLOOD SUBSTITUTES
- Placental Umbilical Cord Whole Blood Transfusion: A Safe and Genuine Blood Substitute for Patients of the Under-Resourced World at Emergency; 557
- What's New in General Surgery: Critical Care and Trauma; 761

BLOOD TRANSFUSIONS
- Current Concepts in Critical Care (Collective Review); 88
- Placental Umbilical Cord Whole Blood Transfusion: A Safe and Genuine Blood Substitute for Patients of the Under-Resourced World at Emergency; 557
- Transfusions in Surgical Patients (Collective Review); 249
- What's New in General Surgery: Critical Care and Trauma; 760

BONE
- Update on Bone Morphogenetic Proteins and Their Application in Spine Surgery; 236
- What's New in Plastic and Maxillofacial Surgery; 399

BONE METASTASES
- Do Bone Marrow Micrometastases Correlated with Sentinel Lymph Node Metastases in

Breast Cancer Patients?; 720 (Invited Commentary; 725) (Reply; 726)

BOTULINUM TOXIN
The Surgeon and Acts of Civilian Terrorism: Biologic Agents (ACS Policy); 291

BRACKET WIRE LOCALIZATION
Rates of Reexcision for Breast Cancer after Magnetic Resonance Imaging–Guided Bracket Wire Localization; 527

BRAIN METASTASES
Part 3: Surgical Palliation of Advanced Illness—What's New, What's Helpful; 457

BRAIN TUMORS
What's New in Neurological Surgery; 935

BREAST NEOPLASMS
A Vignette from Breast Cancer History: One Hundred Years after the Greenough Report (Centennial Perspectives); 484
Breast Cancer Patients with pN0 (i+) and pN1(mi) Sentinel Nodes Have High Rate of Non-sentinel Node Metastases; 323
Do Bone Marrow Micrometastases Correlated with Sentinel Lymph Node Metastases in Breast Cancer Patients?; 720 (Invited Commentary; 725) (Reply; 726)
Ductal Carcinoma in situ of the Breast and Heparanase-1 Expression: A Molecular Explanation for More Aggressive Subtypes; 328
GATA-3 Expression as a Predictor of Hormone Response in Breast Cancer; 705
Is the Clinically Positive Axilla in Breast Cancer Really a Contraindication to Sentinel Lymph Node Biopsy?; 10
Lymphovascular Invasion Is Associated with Reduced Locoregional Control and Survival in Women with Node-Negative Breast Cancer Treated with Mastectomy and Systemic Therapy; 912
Male Breast Disease (Collective Review); 255
Predictors of Invasive Breast Cancer in Patients with an Initial Diagnosis of Ductal Carcinoma in Situ: A Guide to Selective Use of Sentinel Lymph Node Biopsy in Management of Ductal Carcinoma in Situ; 516
Rates of Reexcision for Breast Cancer after Magnetic Resonance Imaging–Guided Bracket Wire Localization; 527
Use of Magnetic Resonance Imaging in Breast Oncology (Consensus Statement); 742

BRUCELLOSIS
The Surgeon and Acts of Civilian Terrorism: Biologic Agents (ACS Policy); 291

BURNS
Burn Treatment's Evolution in the 20th Century (Centennial Perspectives); 152
Centennial Perspective on Burn Treatment (Letter); 814
Inhibition of Nitric Oxide Synthase Reverses the Effect of Albumin on Lung Damage in Burn; 574
What's New in General Surgery: Burns and Metabolism; 607

C

CARDIAC SURGERY
What's New in Cardiac Surgery; 743

CARDIOPULMONARY RESUSCITATION
Emergency Department Resuscitative Thoracotomy (Letter); 148

CARDIOVASCULAR DISEASE
The Cardiovascular Protective Effect of Red Wine (Collective Review); 428

CAROTID ARTERY DISEASE
Fibromuscular Dysplasia of the Carotid Artery (Image); 807
Influence of Gender on Surgical Outcomes: Does Gender Really Matter? (Collective Review); 440
New Technologies Meeting Old Professional Boundaries: The Emergence of Carotid Artery Stenting; 854
Safety of Carotid Endarterectomy in 2,443 Elderly Patients: Lessons from Nonagenarians—Are We Pushing the Limit?; 734

CAVERNOUS HEMANGIOMA
Cavernous Hemangioma Presenting as Budd-Chiari Syndrome (Image); 470

CENTRAL VENOUS ACCESS
Percutaneous Cephalic Vein Cannulation (in the Deltopectoral Groove), with Ultrasound Guidance; 810

CEPHALIC VEIN
Percutaneous Cephalic Vein Cannulation (in the Deltopectoral Groove), with Ultrasound Guidance; 810

CEREBROVASCULAR NEUROSURGERY
What's New in Neurological Surgery; 932

CERVICAL SPINE INJURIES
Cervical Spine Evaluation in Urban Trauma Centers: Lowering Institutional Costs and Complications Through Helical CT Scan; 160
Cervical Spine Fracture in the Ankylosing Spondylitis Patient (Image); 632

CHEMICAL BURNS
What's New in General Surgery: Burns and Metabolism; 613

CHEMICAL TERRORISM
The Surgeon and Acts of Civilian Terrorism: Chemical Agents (ACS Policy); 128

CHEMOTHERAPY
Effect of Steatohepatitis Associated with Irinotecan or Oxaliplatin Pretreatment on Resectability of Hepatic Colorectal Metastases; 845

CHOLERA
The Surgeon and Acts of Civilian Terrorism: Biologic Agents (ACS Policy); 291

CHRONIC ALLOGRAFT NEPHROPATHY
Surgical Transplant Physical Examination: Correlation of Renal Resistance Index and Biopsy-Proven Chronic Allograft Nephropathy; 552

COLORECTAL DUPLICATION
Complete Colorectal Duplications (Image); 304

COLORECTAL NEOPLASMS
Behavioral Associations Between Prostate and Colon Cancer Screening; 216
Complications after Preoperative Combined Modality Therapy and Radical Resection of Locally Advanced Rectal Cancer: A 14-Year Experience from a Specialty Service; 876 (Invited Commentary; 882) (Reply; 885)
Effect of Steatohepatitis Associated with Irinotecan or Oxaliplatin Pretreatment on Resectability of Hepatic Colorectal Metastases; 845
Metastatic Lymph Node Size and Colorectal Cancer Prognosis; 20

COMPUTED TOMOGRAPHY
Appropriate Use of CT in the Diagnosis of Bladder Rupture (Image); 973
Cervical Spine Evaluation in Urban Trauma Centers: Lowering Institutional Costs and Complications Through Helical CT Scan; 160

COMPUTERIZED SIGN-OUT SYSTEM
A Randomized, Controlled Trial Evaluating the Impact of a Computerized Rounding and Sign-Out System on Continuity of Care and Resident Work Hours; 538

CONGENITAL MALFORMATIONS
Complete Colorectal Duplications (Image); 304
Vascular Malformations (Letter); 638

CORNEA
What's New in Ophthalmic Surgery; 101

CORONARY ARTERY REVASCULARIZATION
Influence of Gender on Surgical Outcomes: Does Gender Really Matter? (Collective Review); 440

COST UTILITY ANALYSIS
A Systematic Review of Utility Measurements in the Surgical Literature (Collective Review); 954

COST-BENEFIT ANALYSIS
A Systematic Review of Utility Measurements in the Surgical Literature (Collective Review); 954

COST-EFFECTIVENESS ANALYSIS
A Systematic Review of Utility Measurements in the Surgical Literature (Collective Review); 954

CRITICAL CARE
Burn Treatment's Evolution in the 20th Century (Centennial Perspectives); 152
Centennial Perspective on Burn Treatment (Letter); 814
Current Concepts in Critical Care (Collective Review); 88
Emergency Department Resuscitative Thoracotomy (Letter); 148
Influence of Gender on Surgical Outcomes: Does Gender Really Matter? (Collective Review); 440
Transfusions in Surgical Patients (Collective Review); 249
What's New in General Surgery: Critical Care and Trauma; 755

CURCUMIN
Curcumin Blocks HIV Protease Inhibitor Ritonavir-Induced Vascular Dysfunction in Porcine Coronary Arteries; 820

CYANIDE
The Surgeon and Acts of Civilian Terrorism: Chemical Agents (ACS Policy); 128

D

DEEP VENOUS THROMBOSIS
Retrievable Inferior Vena Cava Filters in High-Risk Trauma Patients (Letter); 634

DELIRIUM
Postoperative Delirium in the Older Patient; 767

DIABETES MELLITUS
Antioxidants Inhibit Fatty Acid and Glucose-Mediated Induction of Neutral Endopeptidase Gene Expression in Human Microvascular Endothelial Cells; 208
Transaminitis after Pancreatic Islet Transplantation; 353

DONOR PROCEDURES
Three-Dimensional Volumetric Analysis for Reconstruction of Middle Hepatic Vein Tributaries in Living Donor Liver Transplantation (Image); 468

E

EDUCATION
Challenges and a New Vision for Academic Surgery; 605
Comparison of Training on Two Laparoscopic Simulators and Assessment of Skills Transfer to Surgical Performance; 546
Enough, but Not Too Much: Or, Are We the Dinosaurs? (Editorial); 930
Impact of Work-Hour Restrictions on Residents' Operative Volume on a Subspecialty Surgical Service; 670
Mandatory Resident Work Hour Limitations (Letter); 637
Potential Targets to Encourage a Surgical Career; 946

ELDERLY PATIENTS
Anesthetic Pitfalls in the Elderly Patient; 784
Common Orthopaedic Problems in the Elderly Patient; 774
Introduction: Symposium on Surgery in the Elderly Patient, Part 2; 766
Photodynamic Therapy for Age-Related Macular Degeneration (Letter); 636
Postoperative Delirium in the Older Patient; 767
Safety of Carotid Endarterectomy in 2,443 Elderly Patients: Lessons from Nonagenarians—Are We Pushing the Limit?; 734

EMERGENCY DEPARTMENT
Emergency Department Resuscitative Thoracotomy (Letter); 148

END-OF-LIFE ISSUES
What's New in General Surgery: Critical Care and Trauma; 763

ENDOTHELIAL CELLS
Antioxidants Inhibit Fatty Acid and Glucose-Mediated Induction of Neutral Endopeptidase Gene Expression in Human Microvascular Endothelial Cells; 208

EPIMYSIUM
The Role of Epimysium in Suturing Skeletal Muscle Lacerations; 38

EQUINE ENCEPHALITIS VIRUSES
The Surgeon and Acts of Civilian Terrorism: Biologic Agents (ACS Policy); 291

ESOPHAGEAL NEOPLASMS
Downregulation of TS, DPD, ERCC1, GST-Pi, EGFR, and HER2 Gene Expression after Neoadjuvant Three-Modality Treatment in Patients with Esophageal Cancer; 336

ESOPHAGUS
Complete Esophageal Diversion: A Simplified, Easily Reversible Technique (Letter); 812
Principles of Laparoscopic Surgery of the Gastroesophageal Junction (Collective Review); 77
Total Versus Partial Fundoplication (Letter); 146

ETHICS
Ethics of Innovative Surgery: US Surgeons' Definitions, Knowledge, and Attitudes; 103

F

FALLOPIAN TUBE CARCINOMA
Anatomy of Pelvic and Para-Aortic Nodal Spread in Patients with Primary Fallopian Tube Carcinoma; 45

FALLS
Common Orthopaedic Problems in the Elderly Patient; 774

FEMORAL ARTERY
Arterial Reconstruction of Infected Femoral Artery Pseudoaneurysms Using Superficial Femoral-Popliteal Vein; 831

FIBROMUSCULAR DYSPLASIA
Fibromuscular Dysplasia of the Carotid Artery (Image); 807

FISTULA-IN-ANO
Fistulotomy with Primary Sphincter Reconstruction in the Management of Complex Fistula-in-Ano: Prospective Study of Clinical and Manometric Results; 897

FLAPS
What's New in Plastic and Maxillofacial Surgery; 403

FRACTURES
Common Orthopaedic Problems in the Elderly Patient; 774

FUNDOPLICATION
Total Versus Partial Fundoplication (Letter); 146

G

GALLSTONE PANCREATITIS
Magnetic Resonance Cholangiopancreatography Accurately Detects Common Bile Duct Stones in Resolving Gallstone Pancreatitis; 869

GASTRECTOMY
Completely Laparoscopic Total and Partial Gastrectomy for Benign and Malignant Diseases: A Single Institute's Prospective Analysis; 191
Laparoscopic Gastrectomy with Preservation of the Vagus Nerve Accompanied by Lymph Node Dissection for Early Gastric Carcinoma; 140
Surgical Outcomes for Early Gastric Cancer in the Upper Third of the Stomach; 15
Value of Extended Lymphadenectomy in Laparoscopic Subtotal Gastrectomy for Advanced Gastric Cancer (Letter); 314

GASTRIC BYPASS SURGERY
Are Bariatric Surgical Outcomes Worth Their Cost? A Systematic Review; 270
Bariatric Surgery for Morbid Obesity: Health Implications for Patients, Health Professionals, and Third-Party Payers (Consensus Statement); 593
Impact of Gastric Bypass on Survival (Letter); 482
Laparoscopic Roux-en-Y Gastric Bypass: A Step-by-Step Approach; 979
Rationale for Laparoscopic Gastric Bypass (Collective Review); 621

GASTRIC NEOPLASMS
Laparoscopic Approach for the Treatment of Type II Gastroesophageal Junction Tumors (Letter); 983
Laparoscopic Gastrectomy with Preservation of the Vagus Nerve Accompanied by Lymph Node Dissection for Early Gastric Carcinoma; 140
Surgical Outcomes for Early Gastric Cancer in the Upper Third of the Stomach; 15
Value of Extended Lymphadenectomy in Laparoscopic Subtotal Gastrectomy for Advanced Gastric Cancer (Letter); 314
What's New in Surgical Oncology; 941

GASTROESOPHAGEAL JUNCTION
Laparoscopic Approach for the Treatment of Type II Gastroesophageal Junction Tumors (Letter); 983
Principles of Laparoscopic Surgery of the Gastroesophageal Junction (Collective Review); 77

GASTROESOPHAGEAL REFLUX DISEASE
Principles of Laparoscopic Surgery of the Gastroesophageal Junction (Collective Review); 77
Total Versus Partial Fundoplication (Letter); 146

GATA-3
GATA-3 Expression as a Predictor of Hormone Response in Breast Cancer; 705

GENDER
Influence of Gender on Surgical Outcomes: Does Gender Really Matter? (Collective Review); 440

GENE EXPRESSION
Downregulation of TS, DPD, ERCC1, GST-Pi, EGFR, and HER2 Gene Expression after Neoadjuvant Three-Modality Treatment in Patients with Esophageal Cancer; 336
Increased Expression of Cyr61 (CCN1) Identified in Peritoneal Metastases from Human Pancreatic Cancer; 371

GENE MUTATIONS
Detection of *B-RAF* and *N-RAS* Mutations in Human Melanoma; 362

GLANDERS
The Surgeon and Acts of Civilian Terrorism: Biologic Agents (ACS Policy); 291

GLAUCOMA
What's New in Ophthalmic Surgery; 99

GLUCOSE CONTROL
What's New in General Surgery: Critical Care and Trauma; 760

GLUES
Scientific Evidence for Application of Topical Hemostats, Tissue Glues, and Sealants in Hepatobiliary Surgery (Collective Review); 418

GYNECOMASTIA
Male Breast Disease (Collective Review); 255

H

HEAD INJURY
What's New in General Surgery: Critical Care and Trauma; 762

HEART FAILURE
What's New in Cardiac Surgery; 746

HELICAL COMPUTED TOMOGRAPHY
Cervical Spine Evaluation in Urban Trauma Centers: Lowering Institutional Costs and Complications Through Helical CT Scan; 160

HEMOGLOBIN-BASED OXYGEN CARRIERS
What's New in General Surgery: Critical Care and Trauma; 761

HEMORRHAGE CONTROL
Extraterrestrial Hemorrhage Control: Terrestrial Developments in Technique, Technology, and Philosophy with Applicability to Traumatic Hemorrhage Control in Long-Duration Spaceflight (Collective Review); 64
What's New in General Surgery: Critical Care and Trauma; 761

HEMORRHOIDS
Pelvic Sepsis after Stapled Hemorrhoidectomy (Letter); 983

HEMOSTASIS
Duration of Increased Bleeding Tendency after Cessation of Aspirin Therapy; 564

HEMOSTATS
Scientific Evidence for Application of Topical Hemostats, Tissue Glues, and Sealants in Hepatobiliary Surgery (Collective Review); 418

HEPARASASE-1
Ductal Carcinoma in situ of the Breast and Heparanase-1 Expression: A Molecular Explanation for More Aggressive Subtypes; 328

HEPATECTOMY
Bisegmentectomy 7–8 as Alternative to More Extensive Liver Resections; 224
Caudate Hepatectomy for Cancer: A Single Institution Experience with 150 Patients; 345
Liver Resection Using a Saline-Linked Radiofrequency Dissecting Sealer for Transection of the Liver; 308

HERNIA
A Randomized, Double-Blind, Placebo-Controlled Trial to Determine Effectiveness of Antibiotic Prophylaxis for Tension-Free Mesh Herniorrhaphy; 393 (Invited Commentary; 397) (Reply; 398)
Does Surgeon Frustration and Satisfaction with the Operation Predict Outcomes of Open or Laparoscopic Inguinal Hernia Repair?; 677
Evaluation of Continuous Infusion of 0.5% Bupivacaine by Elastomeric Pump for Postoperative Pain Management after Open Inguinal Hernia Repair; 198
Is Laparoscopic Inguinal Hernia Repair an Operation of the Past? (Collective Review); 616
Pain after Anterior Mesh Hernia Repair; 885
Principles of Laparoscopic Surgery of the Gastroesophageal Junction (Collective Review); 77

HIP FRACTURES
Common Orthopaedic Problems in the Elderly Patient; 774

HISTORY
"Modern" Military Surgery: 19th Century Compared with 20th Century (Centennial Perspectives); 321
A Vignette from Breast Cancer History: One Hundred Years after the Greenough Report (Centennial Perspectives); 484
Burn Treatment's Evolution in the 20th Century (Centennial Perspectives); 152
Centennial Perspective on Burn Treatment (Letter); 814
Days 2 and 3 of the Dawn of Modern Military Surgery: The Sequel to Senn (Centennial Perspectives); 316
Early Descriptions of Krukenberg Tumors; 111
Endoaneurysmorrhaphy (Centennial Perspectives); 818
Etiology and Treatment of Varicose Ulcer of the Leg (Centennial Perspectives); 646
Intraabdominal and Postoperative Peritoneal Adhesions (Centennial Perspectives); 643
Prehospital Care from Napoleon to Mars: The Surgeon's Role (Centennial Perspectives); 487
Reconstruction of the Common Bile Duct (Centennial Perspectives); 155
The First Successful Organ Transplant in Man (Centennial Perspectives); 5
The Role of Claude Bernard and Others in the Discovery of Horner's Syndrome (Letter); 815

HORMONAL THERAPY
GATA-3 Expression as a Predictor of Hormone Response in Breast Cancer; 705

HORNER'S SYNDROME
The Role of Claude Bernard and Others in the Discovery of Horner's Syndrome (Letter); 815

HUMAN IMMUNODEFICIENCY VIRUS
Curcumin Blocks HIV Protease Inhibitor Ritonavir-Induced Vascular Dysfunction in Porcine Coronary Arteries; 820

HYDATID DISEASE
Radical Pericystic Resection of Hydatid Cysts of the Liver Using the Water Jet Device: A Novel Approach; 976

HYPERGLYCEMIA
Current Concepts in Critical Care (Collective Review); 88

HYPOXEMIA
Postinjury Serum Secretory Phospholipase A_2 Correlates with Hypoxemia and Clinical Status at 72 Hours; 173

I

ILIAC VEIN
Resection of Leiomyosarcoma Arising from the Iliac Vein (Image); 136

IMAGES
The Alphabet Versus the Goddess: The Conflict Between Word and Image; 157

IMMUNOSUPPRESSION
Kidney Transplantation under Minimal Immunosuppression after Pretransplant Lymphoid Depletion with Thymoglobulin or Campath; 505

INFECTIONS
Pelvic Sepsis after Stapled Hemorrhoidectomy (Letter); 983

INFERIOR VENA CAVA
Leiomyosarcoma of the Retrohepatic Portion of the Inferior Vena Cava: Clinical Presentation and Surgical Management in Five Patients; 57

INGUINAL HERNIA
A Randomized, Double-Blind, Placebo-Controlled Trial to Determine Effectiveness of Antibiotic Prophylaxis for Tension-Free Mesh Herniorrhaphy; 393 (Invited Commentary; 397) (Reply; 398)
Does Surgeon Frustration and Satisfaction with the Operation Predict Outcomes of Open or Laparoscopic Inguinal Hernia Repair?; 677
Evaluation of Continuous Infusion of 0.5% Bupivacaine by Elastomeric Pump for Postoperative Pain Management after Open Inguinal Hernia Repair; 198
Is Laparoscopic Inguinal Hernia Repair an Operation of the Past? (Collective Review); 616
Pain after Anterior Mesh Hernia Repair; 885

INHALATION INJURY
What's New in General Surgery: Burns and Metabolism; 609

INNOVATIVE SURGERY
Ethics of Innovative Surgery: US Surgeons' Definitions, Knowledge, and Attitudes; 103

INTESTINAL OBSTRUCTION
Advanced Abdominal Imaging Is Not Required to Exclude Strangulation if Complete Small Bowel Obstructions Undergo Prompt Laparotomy; 904

INTRAABDOMINAL ADHESIONS
Intraabdominal and Postoperative Peritoneal Adhesions (Centennial Perspectives); 643

INTRACRANIAL METASTASES
Part 3: Surgical Palliation of Advanced Illness—What's New, What's Helpful; 457

INTRAOPERATIVE ASSESSMENT TOOLS
Assessing Team Performance in the Operating Room: Development and Use of a "Black-Box" Recorder and Other Tools for the Intraoperative Environment; 29

K

KIDNEY TRANSPLANTATION
Kidney Transplantation under Minimal Immunosuppression after Pretransplant Lymphoid Depletion with Thymoglobulin or Campath; 505
Surgical Transplant Physical Examination: Correlation of Renal Resistance Index and Biopsy-Proven Chronic Allograft Nephropathy; 552
What's New in General Surgery: Transplantation; 413

KRUKENBERG TUMOR
Early Descriptions of Krukenberg Tumors; 111

L

LACERATIONS
The Role of Epimysium in Suturing Skeletal Muscle Lacerations; 38

LAPAROSCOPY
Comparison of Training on Two Laparoscopic Simulators and Assessment of Skills Transfer to Surgical Performance; 546
Completely Laparoscopic Total and Partial Gastrectomy for Benign and Malignant Diseases: A Single Institute's Prospective Analysis; 191
Does Surgeon Frustration and Satisfaction with the Operation Predict Outcomes of Open or Laparoscopic Inguinal Hernia Repair?; 677
Enough, but Not Too Much: Or, Are We the Dinosaurs? (Editorial); 930
Is Laparoscopic Inguinal Hernia Repair an Operation of the Past? (Collective Review); 616
Laparoscopic Approach for the Treatment of Type II Gastroesophageal Junction Tumors (Letter); 983
Laparoscopic Gastrectomy with Preservation of the Vagus Nerve Accompanied by Lymph Node Dissection for Early Gastric Carcinoma; 140
Laparoscopic Liver Resection; 472
Laparoscopic Roux-en-Y Gastric Bypass: A Step-by-Step Approach; 979
Principles of Laparoscopic Surgery of the Gastroesophageal Junction (Collective Review); 77
Rationale for Laparoscopic Gastric Bypass (Collective Review); 621
Value of Extended Lymphadenectomy in Laparoscopic Subtotal Gastrectomy for Advanced Gastric Cancer (Letter); 314

LAPAROTOMY
Advanced Abdominal Imaging Is Not Required to Exclude Strangulation if Complete Small Bowel Obstructions Undergo Prompt Laparotomy; 904

LARYNGEAL NERVE
Voice Changes after Thyroidectomy Without Recurrent Laryngeal Nerve Injury (Letter); 813

LEARNING METHODS
The Alphabet Versus the Goddess: The Conflict Between Word and Image; 157

LEIOMYOSARCOMA
Leiomyosarcoma of the Retrohepatic Portion of the Inferior Vena Cava: Clinical Presentation and Surgical Management in Five Patients; 57
Resection of Leiomyosarcoma Arising from the Iliac Vein (Image); 136

LINEAR PROGRAMMING
Linear Programming to Optimize Performance in a Department of Surgery; 861

LITERACY
The Alphabet Versus the Goddess: The Conflict Between Word and Image; 157

LIVER
Bisegmentectomy 7–8 as Alternative to More Extensive Liver Resections; 224
Caudate Hepatectomy for Cancer: A Single Institution Experience with 150 Patients; 345
Cavernous Hemangioma Presenting as Budd-Chiari Syndrome (Image); 470
Cystadenoma and Cystadenocarcinoma of the Liver: A Single Center Experience; 727
Effect of Steatohepatitis Associated with Irinotecan or Oxaliplatin Pretreatment on Resectability of Hepatic Colorectal Metastases; 845
Fusion of the Planes of the Liver: An Anatomic Entity Merging the Midplane and the Left Intersectional Plane; 711
Laparoscopic Liver Resection; 472
Liver Resection Using a Saline-Linked Radiofrequency Dissecting Sealer for Transection of the Liver; 308
Radical Pericystic Resection of Hydatid Cysts of the Liver Using the Water Jet Device: A Novel Approach; 976
Schistosomal Portal Hypertension (Collective Review); 795
Scientific Evidence for Application of Topical Hemostats, Tissue Glues, and Sealants in Hepatobiliary Surgery (Collective Review); 418
What's New in Surgical Oncology; 937

LIVER INJURY
Changes in the Management of Injuries to the Liver and Spleen; 648

LIVER TRANSPLANTATION
Three-Dimensional Volumetric Analysis for Reconstruction of Middle Hepatic Vein Tributaries in Living Donor Liver Transplantation (Image); 468
What's New in General Surgery: Transplantation; 414

LUNG INJURY
Inhibition of Nitric Oxide Synthase Reverses the Effect of Albumin on Lung Damage in Burn; 574
Postinjury Serum Secretory Phospholipase A_2 Correlates with Hypoxemia and Clinical Status at 72 Hours; 173
Posttraumatic Pneumatocele (Image); 306

LYMPH NODES
Anatomy of Pelvic and Para-Aortic Nodal Spread in Patients with Primary Fallopian Tube Carcinoma; 45
Breast Cancer Patients with pN0 (i+) and pN1(mi) Sentinel Nodes Have High Rate of Non-sentinel Node Metastases; 323
Is the Clinically Positive Axilla in Breast Cancer Really a Contraindication to Sentinel Lymph Node Biopsy?; 10
Laparoscopic Gastrectomy with Preservation of the Vagus Nerve Accompanied by Lymph Node Dissection for Early Gastric Carcinoma; 140
Lymphovascular Invasion Is Associated with Reduced Locoregional Control and Survival in Women with Node-Negative Breast Cancer Treated with Mastectomy and Systemic Therapy; 912
Metastatic Lymph Node Size and Colorectal Cancer Prognosis; 20
Value of Extended Lymphadenectomy in Laparoscopic Subtotal Gastrectomy for Advanced Gastric Cancer (Letter); 314

M

MACULAR DEGENERATION
What's New in Ophthalmic Surgery; 100

MAGNETIC RESONANCE IMAGING
Magnetic Resonance Cholangiopancreatography Accurately Detects Common Bile Duct Stones in Resolving Gallstone Pancreatitis; 869
Rates of Reexcision for Breast Cancer after Magnetic Resonance Imaging–Guided Bracket Wire Localization; 527
Use of Magnetic Resonance Imaging in Breast Oncology (Consensus Statement); 742

MASTECTOMY
Lymphovascular Invasion Is Associated with Reduced Locoregional Control and Survival in Women with Node-Negative Breast Cancer Treated with Mastectomy and Systemic Therapy; 912

MAXILLOFACIAL SURGERY
What's New in Plastic and Maxillofacial Surgery; 399

MECKEL'S DIVERTICULUM
Bleeding Meckel's Diverticulum (Image); 631

MEDULLARY THYROID CANCER
Extent of Disease and Practice Patterns for Medullary Thyroid Cancer; 890

MELANOMA
Detection of *B-RAF* and *N-RAS* Mutations in Human Melanoma; 362
What's New in Surgical Oncology; 942

MESH HERNIORRHAPHY
A Randomized, Double-Blind, Placebo-Controlled Trial to Determine Effectiveness of Antibiotic Prophylaxis for Tension-Free Mesh Herniorrhaphy; 393 (Invited Commentary; 397) (Reply; 398)
Pain after Anterior Mesh Hernia Repair; 885

METASTASES
Anatomy of Pelvic and Para-Aortic Nodal Spread in Patients with Primary Fallopian Tube Carcinoma; 45
Breast Cancer Patients with pN0 (i+) and pN1(mi) Sentinel Nodes Have High Rate of Non-sentinel Node Metastases; 323
Do Bone Marrow Micrometastases Correlated with Sentinel Lymph Node Metastases in Breast Cancer Patients?; 720 (Invited Commentary; 725) (Reply; 726)
Increased Expression of Cyr61 (CCN1) Identified in Peritoneal Metastases from Human Pancreatic Cancer; 371
Management and Prognosis of Metastases to the Thyroid Gland; 203
Metastatic Lymph Node Size and Colorectal Cancer Prognosis; 20
Part 1: Surgical Palliation of Advanced Illness—What's New, What's Helpful; 120
Part 2: Surgical Palliation of Advanced Illness—What's New, What's Helpful; 281
Part 3: Surgical Palliation of Ad-

vanced Illness—What's New, What's Helpful; 457

MILITARY SURGERY
"Modern" Military Surgery: 19th Century Compared with 20th Century (Centennial Perspectives); 321
Days 2 and 3 of the Dawn of Modern Military Surgery: The Sequel to Senn (Centennial Perspectives); 316

MITOGEN-ACTIVATED PROTEIN KINASE PATHWAY
Detection of *B-RAF* and *N-RAS* Mutations in Human Melanoma; 362

MUSCLE LACERATIONS
The Role of Epimysium in Suturing Skeletal Muscle Lacerations; 38

MYOCARDIAL REVASCULARIZATION
What's New in Cardiac Surgery; 743

N

N-RAS MUTATIONS
Detection of *B-RAF* and *N-RAS* Mutations in Human Melanoma; 362

NASAL SEPTAL CARTILAGE
Characterization of Human Nasal Septal Chondrocytes Cultured in Alginate; 691

NEOADJUVANT RADIOCHEMOTHERAPY
Downregulation of TS, DPD, ERCC1, GST-Pi, EGFR, and HER2 Gene Expression after Neoadjuvant Three-Modality Treatment in Patients with Esophageal Cancer; 336

NERVE AGENTS
The Surgeon and Acts of Civilian Terrorism: Chemical Agents (ACS Policy); 128

NEUROLOGICAL SURGERY
What's New in Neurological Surgery; 932

NITRIC OXIDE SYNTHASE
Inhibition of Nitric Oxide Synthase Reverses the Effect of Albumin on Lung Damage in Burn; 574

NUTRITION SUPPORT
What's New in General Surgery: Critical Care and Trauma; 762

O

OBESITY
Are Bariatric Surgical Outcomes Worth Their Cost? A Systematic Review; 270
Bariatric Surgery for Morbid Obesity: Health Implications for Patients, Health Professionals, and Third-Party Payers (Consensus Statement); 593
Impact of Gastric Bypass on Survival (Letter); 482
Percutaneous Cephalic Vein Cannulation (in the Deltopectoral Groove), with Ultrasound Guidance; 810

OPHTHALMIC SURGERY
Photodynamic Therapy for Age-Related Macular Degeneration (Letter); 636
What's New in Ophthalmic Surgery; 96

ORGAN DONATION
Three-Dimensional Volumetric Analysis for Reconstruction of Middle Hepatic Vein Tributaries in Living Donor Liver Transplantation (Image); 468
What's New in General Surgery: Transplantation; 409

ORTHOPAEDIC SURGERY
Common Orthopaedic Problems in the Elderly Patient; 774
Update on Bone Morphogenetic Proteins and Their Application in Spine Surgery; 236

OSTEOPOROSIS
Common Orthopaedic Problems in the Elderly Patient; 774

P

PAIN MANAGEMENT
Evaluation of Continuous Infusion of 0.5% Bupivacaine by Elastomeric Pump for Postoperative Pain Management after Open Inguinal Hernia Repair; 198

PALLIATIVE CARE
Part 1: Surgical Palliation of Advanced Illness—What's New, What's Helpful; 115
Part 2: Surgical Palliation of Advanced Illness—What's New, What's Helpful; 281
Part 3: Surgical Palliation of Advanced Illness—What's New, What's Helpful; 457

PANCREATIC NEOPLASMS
Increased Expression of Cyr61 (CCN1) Identified in Peritoneal Metastases from Human Pancreatic Cancer; 371
Solid Pseudopapillary Tumors of the Pancreas: Review of 718 Patients Reported in English Literature (Collective Review); 965
What's New in Surgical Oncology; 940

PANCREATIC TRANSPLANTATION
Transaminitis after Pancreatic Islet Transplantation; 353
What's New in General Surgery: Transplantation; 415

PANCREATITIS
Magnetic Resonance Cholangiopancreatography Accurately Detects Common Bile Duct Stones in Resolving Gallstone Pancreatitis; 869
What's New in General Surgery: Critical Care and Trauma; 757

PEDIATRIC SURGERY
What's New in Neurological Surgery; 934

PEDIATRIC TRAUMA
Monitoring Performance: Long-term Impact of Trauma Verification and Review; 166

PERIPHERAL VASCULAR DISEASE
Influence of Gender on Surgical Outcomes: Does Gender Really Matter? (Collective Review); 440

PERITONEAL ADHESIONS
Intraabdominal and Postoperative Peritoneal Adhesions (Centennial Perspectives); 643

PERITONITIS
Sclerosing Encapsulating Peritonitis: A Diagnostic Dilemma (Image); 974

PHOSGENE
The Surgeon and Acts of Civilian Terrorism: Chemical Agents (ACS Policy); 128

PLACENTAL CORD BLOOD
Placental Umbilical Cord Whole Blood Transfusion: A Save and Genuine Blood Substitute for Patients of the Under-Resourced World at Emergency; 557

PLAGUE
The Surgeon and Acts of Civilian Terrorism: Biologic Agents (ACS Policy); 291

PLASTIC SURGERY
What's New in Plastic and Maxillofacial Surgery; 399

PNEUMONIA
What's New in General Surgery: Critical Care and Trauma; 759

PORTAL HYPERTENSION
Schistosomal Portal Hypertension (Collective Review); 795

PORTAL VEIN ANOMALIES
Fusion of the Planes of the Liver: An Anatomic Entity Merging the Midplane and the Left Intersectional Plane; 711

POSTOPERATIVE DELIRIUM
Postoperative Delirium in the Older Patient; 767

PREGNANCY
Profile of Mothers at Risk: An Analysis of Injury and Pregnancy Loss in 1,195 Trauma Patients; 49

PREHOSPITAL EMERGENCY CARE
Emergency Department Resuscitative Thoracotomy (Letter); 148
Prehospital Care from Napoleon to Mars: The Surgeon's Role (Centennial Perspectives); 487

PROSTATE NEOPLASMS
Behavioral Associations Between Prostate and Colon Cancer Screening; 216

PROTEASE INHIBITORS
Curcumin Blocks HIV Protease Inhibitor Ritonavir-Induced Vascular Dysfunction in Porcine Coronary Arteries; 820

PSEUDOANEURYSM
Arterial Reconstruction of Infected Femoral Artery Pseudoaneurysms Using Superficial Femoral-Popliteal Vein; 831

PTERYGIUM
What's New in Ophthalmic Surgery; 101

PULMONARY ARTERY CATHETER
Current Concepts in Critical Care (Collective Review); 88

PULMONARY EMBOLISM
Retrievable Inferior Vena Cava Filters in High-Risk Trauma Patients (Letter); 634

PULMONARY HYPERTENSION
What's New in Cardiac Surgery; 752

PULMONARY SEPSIS
Inhibition of Nitric Oxide Synthase Reverses the Effect of Albumin on Lung Damage in Burn; 574

Q

Q FEVER
The Surgeon and Acts of Civilian Terrorism: Biologic Agents (ACS Policy); 291

QUALITY ASSURANCE
Assessing Team Performance in the Operating Room: Development and Use of a "Black-Box" Recorder and Other Tools for the Intraoperative Environment; 29
Making Surgery Safer; 229
Monitoring Performance: Long-

term Impact of Trauma Verification and Review; 166

R

RACIAL DISPARITIES
Surgical Morbidity and Mortality among American Indian and Alaska Native Veterans: A Comparative Analysis; 837

RADIOCHEMOTHERAPY
Downregulation of TS, DPD, ERCC1, GST-Pi, EGFR, and HER2 Gene Expression after Neoadjuvant Three-Modality Treatment in Patients with Esophageal Cancer; 336

RADIOFREQUENCY DISSECTING SEALER
Liver Resection Using a Saline-Linked Radiofrequency Dissecting Sealer for Transection of the Liver; 308

RECTAL CANCER
Complications after Preoperative Combined Modality Therapy and Radical Resection of Locally Advanced Rectal Cancer: A 14-Year Experience from a Specialty Service; 876 (Invited Commentary; 882) (Reply; 885)

RED WINE
The Cardiovascular Protective Effect of Red Wine (Collective Review); 428

REFRACTIVE SURGERY
What's New in Ophthalmic Surgery; 98

REGIONAL ANESTHESIA
Evaluation of Continuous Infusion of 0.5% Bupivacaine by Elastomeric Pump for Postoperative Pain Management after Open Inguinal Hernia Repair; 198

REGIONAL TRAUMA SYSTEM
Assessing a Regional Trauma System (Letter); 481

RESOURCE ALLOCATION
A Systematic Review of Utility Measurements in the Surgical Literature (Collective Review); 954
Linear Programming to Optimize Performance in a Department of Surgery; 861

RESPIRATORY FAILURE
What's New in General Surgery: Critical Care and Trauma; 758

RESUSCITATION
Emergency Department Resuscitative Thoracotomy (Letter); 148
What's New in General Surgery: Critical Care and Trauma; 757

RITONAVIR
Curcumin Blocks HIV Protease Inhibitor Ritonavir-Induced Vascular Dysfunction in Porcine Coronary Arteries; 820

ROUNDS
A Randomized, Controlled Trial Evaluating the Impact of a Computerized Rounding and Sign-Out System on Continuity of Care and Resident Work Hours; 538

S

SAFETY
Making Surgery Safer; 229

SARCOMA
What's New in Surgical Oncology; 941

SCHISTOSOMIASIS
Schistosomal Portal Hypertension (Collective Review); 795

SEALANTS
Scientific Evidence for Application of Topical Hemostats, Tissue Glues, and Sealants in Hepatobiliary Surgery (Collective Review); 418

SENTINEL LYMPH NODES
Breast Cancer Patients with pN0 (i+) and pN1(mi) Sentinel Nodes Have High Rate of Non-sentinel Node Metastases; 323
Do Bone Marrow Micrometastases Correlated with Sentinel Lymph Node Metastases in Breast Cancer Patients?; 720 (Invited Commentary; 725) (Reply; 726)
Is the Clinically Positive Axilla in Breast Cancer Really a Contraindication to Sentinel Lymph Node Biopsy?; 10
Predictors of Invasive Breast Cancer in Patients with an Initial Diagnosis of Ductal Carcinoma in Situ: A Guide to Selective Use of Sentinel Lymph Node Biopsy in Management of Ductal Carcinoma in Situ; 516

SEPSIS
Current Concepts in Critical Care (Collective Review); 88
Pelvic Sepsis after Stapled Hemorrhoidectomy (Letter); 983
What's New in General Surgery: Critical Care and Trauma; 757

SERUM SECRETORY PHOSPHOLIPASE A_2
Postinjury Serum Secretory Phospholipase A_2 Correlates with Hypoxemia and Clinical Status at 72 Hours; 173

SEXUAL DYSFUNCTION
Part 2: Surgical Palliation of Advanced Illness—What's New, What's Helpful; 281

SKELETAL METASTASES
Part 1: Surgical Palliation of Advanced Illness—What's New, What's Helpful; 120

SKELETAL MUSCLE LACERATIONS
The Role of Epimysium in Suturing Skeletal Muscle Lacerations; 38

SMALL INTESTINE
Advanced Abdominal Imaging Is Not Required to Exclude Strangulation if Complete Small Bowel Obstructions Undergo Prompt Laparotomy; 904
Solitary Arteriovenous Malformation of the Small Intestine (Image); 808

SMALLPOX
The Surgeon and Acts of Civilian Terrorism: Biologic Agents (ACS Policy); 291

SOFT TISSUE SARCOMA
Leiomyosarcoma of the Retrohepatic Portion of the Inferior Vena Cava: Clinical Presentation and Surgical Management in Five Patients; 57

SPINAL STENOSIS
Common Orthopaedic Problems in the Elderly Patient; 774

SPINAL SURGERY
What's New in Neurological Surgery; 934

SPINE
Update on Bone Morphogenetic Proteins and Their Application in Spine Surgery; 236

SPLEEN INJURIES
Changes in the Management of Injuries to the Liver and Spleen; 648

STAPHYLOCOCCAL ENTEROTOXIN B
The Surgeon and Acts of Civilian Terrorism: Biologic Agents (ACS Policy); 291

STEATOHEPATITIS
Effect of Steatohepatitis Associated with Irinotecan or Oxaliplatin Pretreatment on Resectability of Hepatic Colorectal Metastases; 845

STRABISMUS
What's New in Ophthalmic Surgery; 101

SURGEON SATISFACTION
Perceptions and Predictors of Surgeon Satisfaction: A Survey of Spouses of Academic Surgeons; 684

SURGERY DEPARTMENT
Linear Programming to Optimize Performance in a Department of Surgery; 861

SURGICAL ANATOMY
Fusion of the Planes of the Liver: An Anatomic Entity Merging the Midplane and the Left Intersectional Plane; 711

SURGICAL INNOVATION
Ethics of Innovative Surgery: US Surgeons' Definitions, Knowledge, and Attitudes; 103
New Technologies Meeting Old Professional Boundaries: The Emergence of Carotid Artery Stenting; 854

SURGICAL MORBIDITY AND MORTALITY
Influence of Gender on Surgical Outcomes: Does Gender Really Matter? (Collective Review); 440
Surgical Morbidity and Mortality among American Indian and Alaska Native Veterans: A Comparative Analysis; 837

SURGICAL ONCOLOGY
Transfusions in Surgical Patients (Collective Review); 249
What's New in Surgical Oncology; 937

SURGICAL RESEARCH
An Analysis of the Research Fellowship Scheme of the Royal College of Surgeons of England; 186

SURGICAL RESIDENCY
A Randomized, Controlled Trial Evaluating the Impact of a Computerized Rounding and Sign-Out System on Continuity of Care and Resident Work Hours; 538
Enough, but Not Too Much: Or, Are We the Dinosaurs? (Editorial); 930
Impact of Work-Hour Restrictions on Residents' Operative Volume on a Subspecialty Surgical Service; 670
Mandatory Resident Work Hour Limitations (Letter); 637
Should I Lie about My Work Hours This Week? (Letter); 635

SURGICAL SAFETY
Making Surgery Safer; 229

SURGICAL TEAM
Assessing Team Performance in the Operating Room: Development and Use of a "Black-Box" Recorder and Other Tools for the Intraoperative Environment; 29

SURGICAL TRAINING
Challenges and a New Vision for Academic Surgery; 605
Comparison of Training on Two Laparoscopic Simulators and Assessment of Skills Transfer to Surgical Performance; 546

T

TECHNOLOGICAL INNOVATIONS
Ethics of Innovative Surgery: US Surgeons' Definitions, Knowledge, and Attitudes; 103
New Technologies Meeting Old Professional Boundaries: The Emergence of Carotid Artery Stenting; 854

TERRORISM
The Surgeon and Acts of Civilian Terrorism: Biologic Agents (ACS Policy); 291
The Surgeon and Acts of Civilian Terrorism: Chemical Agents (ACS Policy); 128

THORACIC NEOPLASMS
Part 1: Surgical Palliation of Advanced Illness—What's New, What's Helpful; 124

THORACIC SURGICAL EDUCATION
What's New in Cardiac Surgery; 743

THORACOTOMY
Emergency Department Resuscitative Thoracotomy (Letter); 148

THYROID NEOPLASMS
A Model for Predicting Outcomes in Patients with Differentiated Thyroid Cancer and Model Performance in Comparison with Other Classification Systems; 378
Extent of Disease and Practice Patterns for Medullary Thyroid Cancer; 890
Management and Prognosis of Metastases to the Thyroid Gland; 203

THYROIDECTOMY
Voice Changes after Thyroidectomy Without Recurrent Laryngeal Nerve Injury (Letter); 813

TISSUE ENGINEERING
Characterization of Human Nasal Septal Chondrocytes Cultured in Alginate; 691
What's New in Plastic and Maxillofacial Surgery; 406

TOXIC AGENTS
The Surgeon and Acts of Civilian Terrorism: Chemical Agents (ACS Policy); 128

TRANSMYOCARDIAL REVASCULARIZATION
What's New in Cardiac Surgery; 745

TRANSPLANTATION
The First Successful Organ Transplant in Man (Centennial Perspectives); 5
Transaminitis after Pancreatic Islet Transplantation; 353
Transfusions in Surgical Patients (Collective Review); 249
What's New in General Surgery: Transplantation; 409
What's New in Plastic and Maxillofacial Surgery; 404

TRAUMA
Appropriate Use of CT in the Diagnosis of Bladder Rupture (Image); 973
Assessing a Regional Trauma System (Letter); 481
Cervical Spine Evaluation in Urban Trauma Centers: Lowering Institutional Costs and Complications Through Helical CT Scan; 160
Changes in the Management of Injuries to the Liver and Spleen; 648
Extraterrestrial Hemorrhage Control: Terrestrial Developments in Technique, Technology, and Philosophy with Applicability to Traumatic Hemorrhage Control in Long-Duration Spaceflight (Collective Review); 64
Influence of Gender on Surgical Outcomes: Does Gender Really Matter? (Collective Review); 440
Monitoring Performance: Long-term Impact of Trauma Verification and Review; 166
Physiologic Trauma Triage Criteria in Adult Trauma Patients: Are They Effective in Saving Lives by Transporting Patients to Trauma Centers?; 584
Postinjury Serum Secretory Phospholipase A_2 Correlates with Hypoxemia and Clinical Status at 72 Hours; 173
Posttraumatic Pneumatocele (Image); 306
Prehospital Care from Napoleon to Mars: The Surgeon's Role (Centennial Perspectives); 487
Profile of Mothers at Risk: An Analysis of Injury and Pregnancy Loss in 1,195 Trauma Patients; 49
Retrievable Inferior Vena Cava Filters in High-Risk Trauma Patients (Letter); 634
The Evolution of Trauma Care at a Level I Trauma Center; 922
The Role of Epimysium in Suturing Skeletal Muscle Lacerations; 38
The Stages of Change Questionnaire as a Predictor of Trauma Patients Most Likely to Decrease Alcohol Use; 179
What's New in General Surgery: Critical Care and Trauma; 755
What's New in Neurological Surgery; 932

TRAUMATIC BRAIN INJURY
What's New in General Surgery: Critical Care and Trauma; 762

TULAREMIA
The Surgeon and Acts of Civilian Terrorism: Biologic Agents (ACS Policy); 291

U

UTILITY MEASUREMENTS
A Systematic Review of Utility Measurements in the Surgical Literature (Collective Review); 954

V

VALVE SURGERY
What's New in Cardiac Surgery; 747

VARICOSE ULCERS
Etiology and Treatment of Varicose Ulcer of the Leg (Centennial Perspectives); 646

VASCULAR GRAFTS
Arterial Reconstruction of Infected Femoral Artery Pseudoaneurysms Using Superficial Femoral-Popliteal Vein; 831

VASCULAR MALFORMATIONS
Solitary Arteriovenous Malformation of the Small Intestine (Image); 808
Vascular Malformations (Letter); 638

VENA CAVA FILTERS
Retrievable Inferior Vena Cava Filters in High-Risk Trauma Patients (Letter); 634

VENOUS THROMBOEMBOLISM
Retrievable Inferior Vena Cava Filters in High-Risk Trauma Patients (Letter); 634

VESICANTS
The Surgeon and Acts of Civilian Terrorism: Chemical Agents (ACS Policy); 128

VIRAL HEMORRHAGIC FEVER
The Surgeon and Acts of Civilian Terrorism: Biologic Agents (ACS Policy); 291

VOICE CHANGES
Voice Changes after Thyroidectomy Without Recurrent Laryngeal Nerve Injury (Letter); 813

W

WATER JET
Radical Pericystic Resection of Hydatid Cysts of the Liver Using the Water Jet Device: A Novel Approach; 976

WOUND HEALING
Antioxidants Inhibit Fatty Acid and Glucose-Mediated Induction of Neutral Endopeptidase Gene Expression in Human Microvascular Endothelial Cells; 208
What's New in Plastic and Maxillofacial Surgery; 402